

COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE (C4ISR) DOMAIN ANNEX

C4ISR.1	DOMAIN OVERVIEW	C4ISR-1
C4ISR.1.1	PURPOSE	C4ISR-1
C4ISR.1.2	BACKGROUND.....	C4ISR-1
C4ISR.1.3	DOMAIN DESCRIPTION	C4ISR-1
C4ISR.1.4	SCOPE AND APPLICABILITY	C4ISR-2
C4ISR.1.5	TECHNICAL REFERENCE MODEL	C4ISR-2
C4ISR.1.6	ANNEX ORGANIZATION	C4ISR-2
C4ISR.2	ADDITIONS TO THE JTA CORE.....	C4ISR-3
C4ISR.2.1	INTRODUCTION	C4ISR-3
C4ISR.2.2	INFORMATION PROCESSING STANDARDS.....	C4ISR-3
C4ISR.2.2.1	Mandate Additions	C4ISR-3
C4ISR.2.2.2	Emerging Standards	C4ISR-3
C4ISR.2.3	INFORMATION TRANSFER STANDARDS.....	C4ISR-3
C4ISR.2.3.1	Mandate Additions	C4ISR-3
C4ISR.2.4	INFORMATION MODELING, METADATA, AND INFORMATION EXCHANGE STANDARDS	C4ISR-3
C4ISR.2.4.1	Mandate Additions	C4ISR-3
C4ISR.2.5	HUMAN-COMPUTER INTERFACE STANDARDS	C4ISR-3
C4ISR.2.5.1	Mandate Additions	C4ISR-3
C4ISR.2.6	INFORMATION SYSTEMS SECURITY STANDARDS.....	C4ISR-4
C4ISR.2.6.1	Mandate Additions	C4ISR-4
C4ISR.3	DOMAIN SPECIFIC SERVICE AREAS.....	C4ISR-4

C4ISR.1 DOMAIN OVERVIEW

C4ISR.1.1 PURPOSE

The C4ISR Domain Annex identifies elements (i.e., standards, interfaces, and service areas) specific to the functional areas of command, control, communications, computers, intelligence, surveillance, and reconnaissance that are additions to those standards listed in Section 2 of the JTA core. These additions are common to the majority of C4ISR systems and support the functional requirements of C4ISR systems.

C4ISR.1.2 BACKGROUND

The scope and elements listed in JTA Version 1.0 focused on C4I. The JTA Version 2.0 has expanded the scope to include the areas of C4ISR, Modeling and Simulation, Weapon Systems, and Combat Support. The sections describing these areas are referred to as Domain Annexes.

C4ISR.1.3 DOMAIN DESCRIPTION

The C4ISR domain consists of those integrated systems of doctrine, procedures, organizational structures, personnel, equipment, facilities, and communications whose primary function is to:

- Support properly designated commanders in the exercise of authority and direction over assigned and attached forces across the range of military operations;
- Collect, process, integrate, analyze, evaluate, or interpret available information concerning foreign countries or areas;
- Systematically observe aerospace, surface or subsurface areas, places, persons, or things, by visual, aural, electronic, photographic, or other means; or

- Obtain, by visual observation or other detection methods, information about the activities and resources of an enemy or potential enemy, or to secure data concerning the meteorological, hydrographic, or geographic characteristics of a particular area.

This annex will specifically address the information technology (IT) aspect of the C4ISR domain. It should be noted that this does not include those systems or other IT components specifically identified as belonging to the Combat Support domain or whose primary function is the support of day-to-day administrative or support operations at fixed base locations. Examples of Combat Support systems include acquisition, finance, human resource, legal, logistics, and medical systems, and items such as general purpose LANs, computer hardware and software, telephone switches, transmission equipment, and outside cable plant.

The position of the C4ISR domain in the Notional JTA Hierarchy is shown in Figure C4ISR-1.

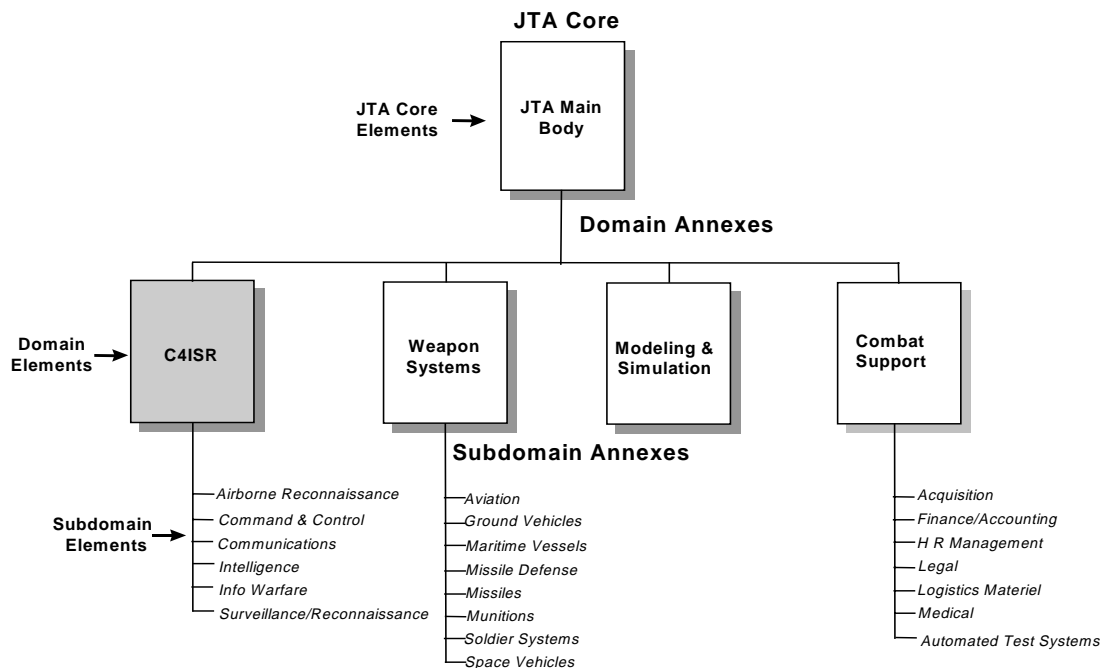


Figure C4ISR-1 Notional JTA Hierarchy

C4ISR.1.4 SCOPE AND APPLICABILITY

The elements listed in this domain are mandated for use on all emerging systems or upgrades to existing systems that are developed to meet the functional area of C4ISR. Users of this document are encouraged to review other Domain Annexes to better gauge which domain is applicable.

C4ISR.1.5 TECHNICAL REFERENCE MODEL

This domain uses the DoD Technical Reference Model cited in section 2.1.3. of the JTA as its framework. C4ISR Application Platform Entity service areas are addressed in Section C4ISR.2 as Additions to the JTA Core. Additional Application Software Entity service areas required to support C4ISR domain systems will be addressed in Section C4ISR.3, Domain Specific Service Areas.

C4ISR.1.6 ANNEX ORGANIZATION

The C4ISR Annex consists of three sections. Section C4ISR.1 contains the overview, Section C4ISR.2 contains those Information Technology standards that are additions to the standards contained in the JTA

core, and Section C4ISR.3 is reserved for those mandates for C4ISR that are domain specific because they do not map directly to the JTA core service areas.

C4ISR.2 ADDITIONS TO THE JTA CORE

C4ISR.2.1 INTRODUCTION

The C4ISR Domain Annex contains no additions to the elements mandated in the main body of the JTA unless otherwise cited in a specific C4ISR subdomain. The Airborne Reconnaissance (AR) Subdomain Annex does list additions to the C4ISR elements.

C4ISR.2.2 INFORMATION PROCESSING STANDARDS

C4ISR.2.2.1 Mandate Additions

There are currently no additions applicable to C4ISR with respect to Information Processing Standards as specified in Section 2.2 of the JTA. The Airborne Reconnaissance (AR) Subdomain Annex does list additions to the C4ISR elements.

C4ISR.2.2.2 Emerging Standards

There are currently no emerging standards identified in this section of the C4ISR domain.

C4ISR.2.3 INFORMATION TRANSFER STANDARDS

C4ISR.2.3.1 Mandate Additions

There are no additions applicable to C4ISR with respect to Information Transfer Standards as specified in Section 2.3 of the JTA. The Airborne Reconnaissance (AR) Subdomain Annex does list additions to the C4ISR elements.

C4ISR.2.4 INFORMATION MODELING, METADATA, AND INFORMATION EXCHANGE STANDARDS

C4ISR.2.4.1 Mandate Additions

There are no additions applicable to C4ISR with respect to Information Modeling, Metadata, and Information Exchange Standards as specified in Section 2.4 of the JTA.

C4ISR.2.5 HUMAN-COMPUTER INTERFACE STANDARDS

C4ISR.2.5.1 Mandate Additions

There are no additions applicable to C4ISR with respect to Human-Computer Interface Standards as specified in Section 2.5 of the JTA.

C4ISR.2.6 INFORMATION SYSTEMS SECURITY STANDARDS

C4ISR.2.6.1 Mandate Additions

There are no additions applicable to C4ISR with respect to Information Systems Security Standards as specified in Section 2.6 of the JTA.

C4ISR.3 DOMAIN SPECIFIC SERVICE AREAS

There are no C4ISR domain specific service areas identified. The Airborne Reconnaissance (AR) Subdomain Annex does list additional service areas.